

March 4, 1982

EPA Region 5 Records Ctr.



315954

Division File

Diane H. Spencer *DHS*

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STATE OF ILLINOIS

St. Clair - LPC 16304533 - East St. Louis/Wastex #2

The subject site was inspected on February 24, 1982 with Mr. Terry Hein, Administrative Manager of Wastex Research, Inc. Mr. Jim Markle, company president, briefly reviewed the new plan sheets for several proposed processes which would expand the capabilities of the facility. The long range goal for Wastex, per Mr. Hein, is to be a "total" hazardous waste site, i.e. treatment, storage, incineration and heat recovery.

Plan sheets have been submitted to the Springfield and Regional offices for proposed processes which include an acid/alkaline neutralization system, a fixation/solidification process, and a vapor recovery system. Installation of equipment to be permitted has begun, but due to rail and financial difficulties, the equipment has not yet been completed or utilized. Equipment present and permitted at the facility include a hopper and distillation unit.

Excavation of an old water treatment lagoon is currently taking place for the acid/alkaline air oxidation treatment process. This process will be located northwest of the office. The lagoon is constructed of concrete and has a capacity of 350,000 gallons.

Process equipment consisting of a hopper, still, and ribbon mixer is located in the west half of Building #6. Drum storage - 3 drums high and 3 drums wide - is located in the east portion of the building. The containers are located along the north and south walls with only a center aisle. Access to a leaking drum would be difficult with this storage system, as a number of drums would require removal to reach the leaking drum. Mr. Hein stated that this method of storage has been approved by the Fire Marshall. No leaking waste was observed and the storage area was adequately maintained. Weekly inspections are conducted for the drum storage areas.

Solvents are stored in Buildings #16 and 31. Drums in this area are being combined, thereby ensuring that only full drums are in storage here. Mr. Hein stated that a gas chromatograph is run prior to combining any drums. This is also the method utilized in segregating the wastes. Some drums are stored in ponded water, due to the leakage from poor roof conditions.

Buildings #22 and 3 are utilized for storage of containers of caustic (Kolene) and still bottoms. There are approximately 2,300 drums of Kolene. These containers are stored on pallets two and three drums high. The use of pallets with the waste aids in more evenly distributing their weight. Due to the corrosive nature of the waste, the drums are in poor condition. The still bottoms are stored three high without the use of pallets. Each layer of containers is covered by a heavy layer of plastic, rather than being sealed with lids. Water leaking through the roof has caused portions of the plastic to fall from the tops of the containers.

Incoming wastes are marked with a generator letter code and date when placed inside Building #38. The new waste is presently stored in the center of the building, thereby segregating it from the other wastes stored here.

Outdoor storage tanks located northeast of Building #38 are also utilized at the facility. Per Mr. Hein, these tanks are full.

The 400,000 gallon storage tank involved in an explosion on September 23, 1981 remains in the same condition as on that date. Waste oil sludge is contained within the bermed area surrounding the tank. A potential clean up plan to mix lime, fly ash, and earth with the sludge through the use of a ribbon mixer was submitted to this office on January 29, 1982. No clean up has begun at this time.

Shipments of product from Wastex to Danville Asphalt in Danville, Illinois ceased in November of 1981, per Mr. Hein. Over 300,000 gallons had been shipped to Danville between June and November. Attempts to find a new buyer are being made.

DMS:jlr

cc: Southern Region
Jim Reid - FOS Manager
Sallie Smith - Permit Section ✓
Vince Moreth - Ass't. A. G.

LIST OF GENERATORS

Acme Printing Ink	Guarantee Electric Co.
Bemis Company, Inc.	Hallmark Cards, Inc.
Benchmark Tools	I.M.C. McWhortor
Borden Chemicals	Jones Chemical, Crystal City, MO
Braznell Company	Jones Chemical, Hudson, WI
Brod Dugan	Jones Chemical, Beech Grove, IN
Brown Shoe Company	Kenworth Truck Co.
Cargill, Inc.	Mark Twain Industrial
Cessena Aircraft	Missouri Highway Dept.
Cheeseborough Pond	Pan American Industries
Chemsico, Inc.	P.D. George Co.
Chrysler Corporation	Precoat Metals Co.
Continental Can Co.	Sealright Company, Inc.
DeHart Paint & Varnish Co.	Shelby Paint
Dennis Chemical	Sinnett Lacquer Manufacturing
R. R. Donneley Co.	Spencer Kellogg
Don V. Davis Company	St. Regis Paper Co.
Farmland Industrial	Symons Corporation
Ford Motor Co., Kansas City, MO	Tnemec, Inc.
Ford Motor Co., Kentucky	Waterlac Corporation
Ford Motor Co., St. Louis, MO	Western Electric
Gordon Bartels	